

09/827, 110

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal653rxt

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock
NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4 Apr 09 ZDB will be removed from STN
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9 Jun 03 New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10 PCTFULL has been reloaded
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;
saved answer sets no longer valid
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY
NEWS 15 Jul 30 NETFIRST to be removed from STN
NEWS 16 Aug 08 CANCERLIT reload
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file
NEWS 25 Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 26 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 27 Oct 21 EVENTLINE has been reloaded
NEWS 28 Oct 24 BEILSTEIN adds new search fields
NEWS 29 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 30 Oct 25 MEDLINE SDI run of October 8, 2002
NEWS 31 Nov 18 DKILIT has been renamed APOLLIT
NEWS 32 Nov 25 More calculated properties added to REGISTRY
NEWS 33 Dec 02 TIBKAT will be removed from STN
NEWS 34 Dec 04 CSA files on STN
NEWS 35 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 36 Dec 17 TOXCENTER enhanced with additional content
NEWS 37 Dec 17 Adis Clinical Trials Insight now available on STN
NEWS 38 Dec 30 ISMEC no longer available
NEWS 39 Jan 13 Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 40 Jan 21 NUTRACEUT offering one free connect hour in February 2003
NEWS 41 Jan 21 PHARMAML offering one free connect hour in February 2003
NEWS 42 Jan 29 Simultaneous left and right truncation added to COMPENDEX,
ENERGY, INSPEC
NEWS 43 Feb 13 CANCERLIT is no longer being updated

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,

CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 09:40:29 ON 20 FEB 2003

=> file caplus biosis medline

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CAPLUS' ENTERED AT 09:40:58 ON 20 FEB 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BIOSIS' ENTERED AT 09:40:58 ON 20 FEB 2003

COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS INC.(R)

FILE 'MEDLINE' ENTERED AT 09:40:58 ON 20 FEB 2003

=> s hedgehog

L1 8674 HEDGEHOG

=> s sonic hedgehog

L2 2929 SONIC HEDGEHOG

=> s SHH

L3 2613 SHH

=> s hair growth

L4 5924 HAIR GROWTH

=> s topical application

L5 23952 TOPICAL APPLICATION

=> s epithelial

L6 351520 EPITHELIAL

=> s skin

L7 756667 SKIN

=> s vertebrate

L8 4053751 VERTEBRATE

=> s l1 and l4 and l5 and l7 and l8

L9 0 L1 AND L4 AND L5 AND L7 AND L8

=> s l1 and l4

L10 24 L1 AND L4

=> d 110 1-24

L10 ANSWER 1 OF 24 CAPLUS COPYRIGHT 2003 ACS

AN 2002:978471 CAPLUS

DN 138:39182

TI Preparation of substituted benzothiophene derivatives as **hedgehog** agonists and regulators of cell proliferation and differentiation

IN Baxter, Anthony David; Boyd, Edward Andrew; Guicherit, Oivin M.; Porter, Jeffery; Price, Stephen; Rubin, Lee; Stibbard, John Harry Alexander

PA UK

SO U.S. Pat. Appl. Publ., 130 pp., Cont.-in-part of U.S. Ser. No. 724,492.
CODEN: USXXCO

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 2002198236	A1	20021226	US 2001-964276	20010926
PRAI	US 2000-193279P	P	20000330		
	US 2000-724492	A2	20001128		
OS	MARPAT 138:39182				

L10 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2003 ACS

AN 2002:612915 CAPLUS

TI In vivo enhanced expression of patched dampens the sonic **hedgehog** pathway

AU Bergstein, Ivan; Leopold, Philip L.; Sato, Noboru; Panteleyev, Andrei A.; Christiano, Angela M.; Crystal, Ronald G.

CS Division of Pulmonary and Critical Care Medicine, Division of Hematology-Oncology, Weill Medical College of Cornell University, New York, NY, 10021, USA

SO Molecular Therapy (2002), 6(2), 258-264
CODEN: MTOHCK; ISSN: 1525-0016

PB Elsevier Science

DT Journal

LA English

RE.CNT 60 THERE ARE 60 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 3 OF 24 CAPLUS COPYRIGHT 2003 ACS

AN 2002:50171 CAPLUS

DN 137:15381

TI Effect of adenovirus-mediated expression of sonic **hedgehog** gene on hair regrowth in mice with chemotherapy-induced alopecia

AU Sato, Noboru; Leopold, Philip L.; Crystal, Ronald G.

CS Division of Pulmonary and Critical Care Medicine, Weill Medical College of Cornell University, New York, NY, 10021, USA

SO Journal of the National Cancer Institute (2001), 93(24), 1858-1864
CODEN: JNCIEQ; ISSN: 0027-8874

PB Oxford University Press

DT Journal

LA English

RE.CNT 73 THERE ARE 73 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 4 OF 24 CAPLUS COPYRIGHT 2003 ACS

AN 2001:749543 CAPLUS

DN 136:35262

TI Noggin is required for induction of the hair follicle growth phase in postnatal skin

AU Botchkarev, Vladimir A.; Botchkareva, Natalia V.; Nakamura, Motonobu; Huber, Otmar; Funa, Keiko; Lauster, Roland; Paus, Ralf; Gilchrest, Barbara

A.
 CS Department of Dermatology, Boston University School of Medicine, Boston,
 MA, 02118, USA
 SO FASEB Journal (2001), 15(12), 2205-2214
 CODEN: FAJOEC; ISSN: 0892-6638
 PB Federation of American Societies for Experimental Biology
 DT Journal
 LA English
 RE.CNT 68 THERE ARE 68 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 5 OF 24 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:747593 CAPLUS
 DN 135:283224
 TI Small organic molecule **hedgehog** agonists as regulators of cell
 proliferation and differentiation
 IN Baxter, Anthony David; Boyd, Edward Andrew; Guicherit, Oivin M.; Porter,
 Jeffrey; Price, Stephen; Rubin, Lee E.
 PA Curis, Inc., USA
 SO PCT Int. Appl., 246 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001074344	A2	20011011	WO 2001-US10296	20010330
	WO 2001074344	A3	20020523		
	W:		AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
	RW:		GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG		
	EP 1272168	A2	20030108	EP 2001-922914	20010330
	R:		AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR		
PRAI	US 2000-193279P	P	20000330		
	US 2000-724492	A	20001128		
	US 2000-724955	A	20001128		
	WO 2001-US10296	W	20010330		
OS	MARPAT 135:283224				

L10 ANSWER 6 OF 24 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:611202 CAPLUS
 DN 136:244864
 TI Characterization of Wnt gene expression in developing and postnatal hair
 follicles and identification of Wnt5a as a target of Sonic
hedgehog in hair follicle morphogenesis
 AU Reddy, S.; Andl, T.; Bagasra, A.; Lu, M. M.; Epstein, D. J.; Morrissey, E.
 E.; Millar, S. E.
 CS Departments of Dermatology and Cell and Developmental Biology, University
 of Pennsylvania School of Medicine, Philadelphia, PA, 19104, USA
 SO Mechanisms of Development (2001), 107(1-2), 69-82
 CODEN: MEDVE6; ISSN: 0925-4773
 PB Elsevier Science Ireland Ltd.
 DT Journal
 LA English
 RE.CNT 96 THERE ARE 96 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 7 OF 24 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:209768 CAPLUS
 DN 134:263807
 TI Controls of hair follicle cycling
 AU Stenn, K. S.; Paus, R.
 CS Beauty Genome Sciences Inc., Skillman, NJ, USA
 SO Physiological Reviews (2001), 81(1), 449-494
 CODEN: PHREA7; ISSN: 0031-9333
 PB American Physiological Society
 DT Journal; General Review
 LA English
 RE.CNT 618 THERE ARE 618 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 8 OF 24 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:208250 CAPLUS
 DN 134:252352
 TI Preparation of 3-aryl-2-arylhureidoalkylquinazolin-4-ones and related compounds as mediators of **hedgehog** signaling pathways.
 IN Baxter, Anthony David; Boyd, Edward Andrew; Guichert, Oivin M.; Price, Stephen; Rubin, Lee D.
 PA Curis, Inc., USA
 SO PCT Int. Appl., 177 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001019800	A2	20010322	WO 2000-US25461	20000915
	WO 2001019800	A3	20011206		
	WO 2001019800	C2	20021003		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	EP 1216234	A2	20020626	EP 2000-963551	20000915
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL			
PRAI	US 1999-154526P	P	19990916		
	US 1999-159412P	P	19991014		
	US 1999-162899P	P	19991101		
	WO 2000-US25461	W	20000915		
OS	MARPAT 134:252352				

L10 ANSWER 9 OF 24 CAPLUS COPYRIGHT 2003 ACS
 AN 2000:368433 CAPLUS
 DN 133:831
 TI Regulation of hair follicle morphogenesis based on .beta.-catenin
 IN Gat, Uri; Dasgupta, Ramanuj; Degenstein, Linda; Fuchs, Elaine
 PA Arch Development Corp., USA
 SO PCT Int. Appl., 127 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000031134	A1	20000602	WO 1999-US27490	19991119

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,
 CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,
 IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
 MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
 SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM,
 AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
 DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
 CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI US 1998-109284P P 19981120

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 10 OF 24 CAPLUS COPYRIGHT 2003 ACS

AN 2000:277867 CAPLUS

DN 132:274351

TI Method of modulating **hair growth** and controlling hair
 pigmentation based on stimulating or antagonizing the **hedgehog**
 protein signal transduction pathway

IN Crystal, Ronald G.; Sato, Noboru; Leopold, Philip L.

PA Cornell Research Foundation, Inc., USA

SO PCT Int. Appl., 18 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000023095	A2	20000427	WO 1999-US24169	19991015
	WO 2000023095	A3	20000824		
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	US 6159950	A	20001212	US 1998-174506	19981016
	EP 1126868	A2	20010829	EP 1999-970602	19991015
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
PRAI	US 1998-174506	A	19981016		
	WO 1999-US24169	W	19991015		

L10 ANSWER 11 OF 24 CAPLUS COPYRIGHT 2003 ACS

AN 2000:227528 CAPLUS

DN 132:270066

TI **Hedgehog** and patched antagonists for inhibiting cell and tissue
 growth and differentiation and uses thereof

IN Burkly, Linda; Wang, Li Chun

PA Biogen, Inc., USA

SO PCT Int. Appl., 55 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000018428	A2	20000406	WO 1999-US20852	19990910
	WO 2000018428	A3	20000525		
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG,			

KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
 NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
 UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,
 ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,
 CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

CA 2343335 AA 20000406 CA 1999-2343335 19990910
 AU 9959186 A1 20000417 AU 1999-59186 19990910
 EP 1112087 A2 20010704 EP 1999-946873 19990910

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, FI

US 2002015702 A1 20020207 US 2001-804490 20010312
 PRAI US 1998-100037P P 19980911
 WO 1999-US20852 W 19990910

L10 ANSWER 12 OF 24 CAPLUS COPYRIGHT 2003 ACS

AN 1999:644628 CAPLUS

DN 131:335035

TI Induction of the **hair growth** phase in postnatal mice
 by localized transient expression of sonic **hedgehog**

AU Sato, Noboru; Leopold, Philip L.; Crystal, Ronald G.

CS Division of Pulmonary and Critical Care Medicine, Weill Medical College of
 Cornell University-New York Presbyterian Hospital, New York, NY, 10021,
 USA

SO Journal of Clinical Investigation (1999), 104(7), 855-864
 CODEN: JCINAO; ISSN: 0021-9738

PB American Society for Clinical Investigation

DT Journal

LA English

RE.CNT 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 13 OF 24 CAPLUS COPYRIGHT 2003 ACS

AN 1999:644627 CAPLUS

DN 131:334802

TI The **hedgehog** and the hair follicle: a growing relationship

AU Dlugosz, Andrzej

CS Department of Dermatology and Comprehensive Cancer Center, University of
 Michigan, Ann Arbor, MI, 48109-0932, USA

SO Journal of Clinical Investigation (1999), 104(7), 851-853
 CODEN: JCINAO; ISSN: 0021-9738

PB American Society for Clinical Investigation

DT Journal; General Review

LA English

RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 14 OF 24 CAPLUS COPYRIGHT 2003 ACS

AN 1999:282115 CAPLUS

DN 130:320865

TI Regulation of epithelial tissue by **hedgehog**-like polypeptides
 for stimulation of skin or hair formation

IN Wang, Elizabeth A.

PA Ontogeny, Inc., USA

SO PCT Int. Appl., 146 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9920298	A1	19990429	WO 1998-US22227	19981020

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
 DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG,

KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
 NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
 UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
 FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
 CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 2002151460	A1	20021017	US 1998-151999	19980911
CA 2307322	AA	19990429	CA 1998-2307322	19981020
AU 9911089	A1	19990510	AU 1999-11089	19981020
EP 1028741	A1	20000823	EP 1998-953814	19981020

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, FI

JP 2001520202	T2	20011030	JP 2000-516694	19981020
PRAI US 1997-955552	A	19971020		
US 1998-151999	A	19980911		
WO 1998-US22227	W	19981020		

OS MARPAT 130:320865

RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 15 OF 24 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 2002:68635 BIOSIS

DN PREV200200068635

TI Effect of adenovirus-mediated expression of Sonic **hedgehog** gene
 on hair regrowth in mice with chemotherapy-induced alopecia.

AU Sato, Noboru; Leopold, Philip L.; Crystal, Ronald G. (1)

CS (1) Institute of Genetic Medicine, Weill Medical College of Cornell
 University, 520 East 70th St., Starr 505, New York, NY, 10021:
 geneticmedicine@med.cornell.edu USA

SO Journal of the National Cancer Institute (Bethesda), (December 19, 2001)
 Vol. 93, No. 24, pp. 1858-1864. <http://jnci.oupjournals.org/>. print.
 ISSN: 0027-8874.

DT Article

LA English

L10 ANSWER 16 OF 24 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 2001:492563 BIOSIS

DN PREV200100492563

TI Characterization of Wnt gene expression in developing and postnatal hair
 follicles and identification of Wnt5a as a target of Sonic
hedgehog in hair follicle morphogenesis.

AU Reddy, Seshamma; Andl, Thomas; Bagasra, Alexander; Lu, Min Min; Epstein,
 Douglas J.; Morrissey, Edward E.; Millar, Sarah E. (1)

CS (1) M8D Stellar-Chance Laboratories, 422 Curie Boulevard, Philadelphia,
 PA, 19104-6100: millars@mail.med.upenn.edu USA

SO Mechanisms of Development, (September, 2001) Vol. 107, No. 1-2, pp. 69-82.
 print.
 ISSN: 0925-4773.

DT Article

LA English

SL English

L10 ANSWER 17 OF 24 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 2001:279009 BIOSIS

DN PREV200100279009

TI Method of modulating **hair growth**.

AU Crystal, Ronald G.; Sato, Noboru (1); Leopold, Philip L.

CS (1) New York City, NY USA

ASSIGNEE: Cornell Research Foundation, Inc.

PI US 6159950 December 12, 2000

SO Official Gazette of the United States Patent and Trademark Office Patents,
 (Dec. 12, 2000) Vol. 1241, No. 2, pp. No Pagination. e-file.

ISSN: 0098-1133.

DT Patent

LA English

L10 ANSWER 18 OF 24 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2000:336418 BIOSIS
DN PREV200000336418
TI Induction of the **hair growth** phase in postnatal mice
by localized transient expression of Sonic **hedgehog**.
AU Sato, Noboru; Leopold, Philip L.; Crystal, Ronald G. (1)
CS (1) Weill Medical College of Cornell University-New York Presbyterian
Hospital, 520 East 70th Street, ST 505, New York, NY, 10021 USA
SO Journal of Clinical Investigation, (October, 1999) Vol. 104, No. 7, pp.
855-864. print.
ISSN: 0021-9738.
DT Article
LA English
SL English

L10 ANSWER 19 OF 24 MEDLINE
AN 2002407223 MEDLINE
DN 22151587 PubMed ID: 12161193
TI In vivo enhanced expression of patched dampens the sonic **hedgehog**
pathway.
AU Bergstein Ivan; Leopold Philip; Sato Noboru; Panteleyev Andrei; Christiano
Angela; Crystal Ronald
CS Division of Pulmonary and Critical Care Medicine, Weill Medical College of
Cornell University, New York, New York, 10021, USA.
NC AR 46282 (NIAMS)
SO MOLECULAR THERAPY, (2002 Aug) 6 (2) 258-64.
Journal code: 100890581. ISSN: 1525-0016.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals; Space Life Sciences
EM 200210
ED Entered STN: 20020806
Last Updated on STN: 20021008
Entered Medline: 20021004

L10 ANSWER 20 OF 24 MEDLINE
AN 2002003693 MEDLINE
DN 21623990 PubMed ID: 11752010
TI Effect of adenovirus-mediated expression of Sonic **hedgehog** gene
on hair regrowth in mice with chemotherapy-induced alopecia.
AU Sato N; Leopold P L; Crystal R G
CS Division of Pulmonary and Critical Care Medicine, Weill Medical College of
Cornell University, New York, NY 10021, USA.
NC R01AR46282-01A1 (NIAMS)
SO JOURNAL OF THE NATIONAL CANCER INSTITUTE, (2001 Dec 19) 93 (24) 1858-64.
Journal code: 7503089. ISSN: 0027-8874.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200201
ED Entered STN: 20020102
Last Updated on STN: 20020128
Entered Medline: 20020123

L10 ANSWER 21 OF 24 MEDLINE
AN 2001564857 MEDLINE
DN 21521210 PubMed ID: 11641247
TI Noggin is required for induction of the hair follicle growth phase in
postnatal skin.
AU Botchkarev V A; Botchkareva N V; Nakamura M; Huber O; Funa K; Lauster R;

Paus R; Gilchrest B A
 CS Department of Dermatology, Boston University School of Medicine, Boston,
 Massachusetts 02118, USA.. vladbotc@bu.edu
 NC 1R03 AR47414 01 (NIAMS)
 SO FASEB JOURNAL, (2001 Oct) 15 (12) 2205-14.
 Journal code: 8804484. ISSN: 1530-6860.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200112
 ED Entered STN: 20011023
 Last Updated on STN: 20020420
 Entered Medline: 20011204

L10 ANSWER 22 OF 24 MEDLINE
 AN 2001477516 MEDLINE
 DN 21412236 PubMed ID: 11520664
 TI Characterization of Wnt gene expression in developing and postnatal hair
 follicles and identification of Wnt5a as a target of Sonic
hedgehog in hair follicle morphogenesis.
 AU Reddy S; Andl T; Bagasra A; Lu M M; Epstein D J; Morrissey E E; Millar S E
 CS Departments of Dermatology and Cell and Developmental Biology, University
 of Pennsylvania School of Medicine, Philadelphia, PA 19104, USA.
 SO MECHANISMS OF DEVELOPMENT, (2001 Sep) 107 (1-2) 69-82.
 Journal code: 9101218. ISSN: 0925-4773.
 CY Ireland
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200112
 ED Entered STN: 20010827
 Last Updated on STN: 20020122
 Entered Medline: 20011204

L10 ANSWER 23 OF 24 MEDLINE
 AN 2001108760 MEDLINE
 DN 21068090 PubMed ID: 11152763
 TI Controls of hair follicle cycling.
 AU Stenn K S; Paus R
 CS Beauty Genome Sciences Inc., Skillman, New Jersey, USA..
 kstenn@cpcus.jnj.com
 SO PHYSIOLOGICAL REVIEWS, (2001 Jan) 81 (1) 449-494. Ref: 619
 Journal code: 0231714. ISSN: 0031-9333.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, TUTORIAL)
 LA English
 FS Priority Journals
 EM 200102
 ED Entered STN: 20010322
 Last Updated on STN: 20010322
 Entered Medline: 20010208

L10 ANSWER 24 OF 24 MEDLINE
 AN 1999441307 MEDLINE
 DN 99441307 PubMed ID: 10510326
 TI Induction of the **hair growth** phase in postnatal mice
 by localized transient expression of Sonic **hedgehog**.
 CM Comment in: J Clin Invest. 1999 Oct;104(7):851-3
 AU Sato N; Leopold P L; Crystal R G
 CS Division of Pulmonary and Critical Care Medicine, Weill Medical College of
 Cornell University-New York Presbyterian Hospital, New York, New York

10021, USA.
SO JOURNAL OF CLINICAL INVESTIGATION, (1999 Oct) 104 (7) 855-64.
Journal code: 7802877. ISSN: 0021-9738.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 199911
ED Entered STN: 20000111
Last Updated on STN: 20000111
Entered Medline: 19991102